CLAIM AMENDMENTS

Claim Amendment Summary

Claims pending

- Before this Amendment: Claims 1-53.
- After this Amendment: Claims 1-39 and 44-54

Canceled claims: 40-43

Amended claims: 1-23, 25, 29-39, and 44-53

New claims: 54

Claims:

1. (Currently Amended) A processor-readable medium comprising processor-encoded with executable instructions that, when executed, direct a server computer to perform a method for updating client computer for performing software updates, the processor-executable instructions comprising instructions for, the method comprising:

assigning, by the server computer, a level of service to each of a plurality of <u>client computers</u> users, by which the software updates will be performed;

scheduling, by the server computer, performance of the software updates to a particular client computer user from among the plurality of client computers

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computer user; and

<u>initiating</u>, by the server computer, performing execution of the software

updates to the particular client computer, according to the schedule.

2. (Currently Amended) The processor-readable medium of claim 1,

wherein the method further comprises additionally comprising instructions for:

displaying a notification icon to a user; and

configuring by the server computer, a postponement the notification icon

that, when displayed by the particular client computer and selected by a user,

causes the execution of to allow the user to postpone the software updates to be

postponed within a grace period, wherein the grace period is followed by an

enforcement period within which selection of the notification-postponement icon

is prohibited so that execution of does not allow-the user to postpone the

software updates may not be further postponed.

3. (Currently Amended) The processor-readable medium of claim 2,

wherein assigning the level of service comprises instructions for:

establishing the grace period and the enforcement period; and

wherein by shortening the grace period a higher level of service results

due to more rapid application of the software updates.

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4. (Currently Amended) The processor-readable medium of claim 1,

wherein the method further comprises additionally comprising instructions for:

displaying a notification icon to a user; and

configuring, by the server computer, an execution the notification icon

that, when displayed by the particular client computer and selected by a user,

causes the execution of the software updates to be initiated immediately to allow

the user to initiate performance of the software updates.

5. (Currently Amended) The processor-readable medium of claim 4,

wherein configuring the notification execution icon comprises-instructions for:

enabling providing the client computeruser with a first choice to display a

reminder about installing the software updates; and

enabling providing the client computer user with a second choice to display

the execution icon install the software updates.

6. (Currently Amended) The processor-readable medium of claim 5,

wherein the first choice of displaying the reminder comprises instructions for:

displaying information on grace and enforcement periods associated with

the software updates;

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wherein the grace period is a period during which the user execution of

the software updates is allowed to be postponed postpone performance of

software-updates;

wherein the grace period is configurable by an a server administrator; and

wherein the enforcement period is a period, configured by the server

administrator to follow the grace period, during which execution of the software

updates the user is not allowed to be postponed postpone performance of

software updates.

7. (Currently Amended) The processor-readable medium of claim 5,

wherein enabling the client computer to display the execution icon the second

choice of installing the software updates comprises instructions for:

enabling an allowing the update start time to be modified by a user of the

client computer; anduser to schedule an update start time; and

enabling a allowing the client computer reboot time to be modified by a

user of the client computer.user to schedule a reboot time.

8. (Currently Amended) The processor-readable medium of claim 1,

wherein the method further performing the software update comprises additional

instructions for deploying annoyance reminders to the client computer urging a

<u>user of the client computer user</u> to reboot.

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9. (**Currently Amended**) The processor-readable medium of claim 1, wherein the method further performing the software update comprises causing additional instructions for the client-computer to automatically perform performing the software updates following a grace period.

10. (Currently Amended) The processor-readable medium of claim 1,

wherein the method further performing the software update comprises enabling

additional instructions for the client computer to delay delaying the performance

until after conclusion of a user-initiated postponement within a grace period.

11. (Currently Amended) The processor-readable medium of claim 1,

wherein the scheduling performance of the software updates comprises

additional instructions for configuring a change time-window, wherein the

change <u>time-</u>window defines a period of time within which <u>client computers will</u>

not be restricted from performing the updates will be performed.

12. (Currently Amended) The processor-readable medium of claim

11, wherein assigning the level of service comprises additional instructions for

configuring <u>a</u> duration of the change <u>time</u>-window, wherein a longer duration

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implies a higher level of service and a shorter duration implies a lower level of

service.

13. (Currently Amended) The processor-readable medium of claim

11, wherein the scheduling further comprises performance of the software

updates comprises additional-instructions for:

defining failsafe timeout periods for each of the software updates; and

adjusting the failsafe timeout periods according to individual client

computer computer performance, wherein longer failsafe timeout periods are

assigned where the individual client computer computer performance is slower.

14. (Currently Amended) The processor-readable medium of claim

11, wherein the method further comprises: comprising-additional instructions for:

applying updates during the change time-window; and

monitoring a failsafe timeout for each update applied.

15. (Currently Amended) The processor-readable medium of claim

11, wherein the method further comprises comprising additional instructions for

identifying updates for which there was insufficient time within the change time-

window for installation within a second change <u>time-</u>window.

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16. (Currently Amended) The processor-readable medium of claim

11, wherein the method further comprises, comprising additional instructions for,

when time remaining within the change time-window is less than a failsafe

timeout for any remaining software updates, suspending application of the

remaining software updates.

17. (Currently Amended) The processor-readable medium of claim

11, wherein the method further comprises comprising additional instructions for

associating client computers servers into groups, wherein each group is assigned

a change time-window., and wherein the groups-are sized to allow simultaneous

updating of the client computers servers in each of the groups without disrupting

work flow.

18. (Currently Amended) The processor-readable medium of claim 1,

wherein the method further comprises comprising additional instructions for:

grouping a plurality of the software updates into a package; and

configuring the package for differential enforcement whereby different

client computers computers would receive different software updates from the

package.

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19. (Currently Amended) The processor-readable medium of claim

18, wherein the method further comprises comprising additional instructions for

programmatically obtaining the plurality of software updates from a trusted

source of update content.

20. (Currently Amended) The processor-readable medium of claim

18, wherein the method further comprises—comprising—additional instructions for

configuring the package for SMS consumption.

21. (Currently Amended) The processor-readable medium of claim

18, wherein assigning the level of service comprises additional instructions for

providing different rules of enforcement within the package to result in different

application of software updates within the package to different client computers.

22. (Currently Amended) The processor-readable medium of claim

18, wherein assigning the level of service comprises additional instructions for

partitioning the package of software updates to separate trusted updates from

un-trusted updates.

23. (Currently Amended) The processor-readable medium of claim

22, wherein assigning the level of service further comprises comprising additional

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instructions for merging the un-trusted software updates with the trusted

software updates based on performance of the un-trusted updates in a test

environment.

24. (Original) The processor-readable medium of claim 22, wherein the

partitioning is expressed in XML configured to inform different clients of updates

suitable for their consumption.

25. (Currently Amended) The processor-readable medium of claim 1,

wherein assigning the level of service comprises: additional instructions for

incorporating an authorization list of approved updates into a template

based on a standard image.

26. (Original) The processor-readable medium of claim 25, wherein the

template is written into an XML document.

27. (Original) The processor-readable medium of claim 26, wherein the

XML document is consumed and deployed as a mirror of a desired state for

software updates.

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28. (Original) The processor-readable medium of claim 27, wherein the

XML document is consumed and deployed by SMS.

29. (Currently Amended) A method for performing software updates

on a client computer, the method comprising:

receiving, from a server computer, a software update to be executed on

the client computer;

assigning a service level to each user by which software updates will be

performed;

displaying an icon configured to allow a client computer user user a choice

between displaying software update reminders and immediate initiation of

installation of the software updatesupdate by the client computer;

wherein the software reminders include information on grace periods

within which installation of the software update may be postponed and

information on the onset of enforcement periods after which installation of the

software update may not be postponed; and

providing a user interface to allow selection of a time for the client

computer to perform the installation of the software update and to allow

selection of a time for the client computer to initiate a to-reboot, wherein the

time selected is based in part on the a level of service assigned level of service to

the client computer by the server computer.

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30. (Currently Amended) A processor-readable medium comprising

processor-executable instructions that, when executed, direct a client computer

to execute a method for for-assisting a user to updateupdating software on the

client computer, the processor-executable instructions method comprising

instructions for:

displaying an icon that represents configured to allow a user a choice

between displaying software update reminders and initiating immediate initiation

of-installation of the-software updates;

wherein the software update reminders include information on grace

periods within which installation of the software updates by the client computer

may be postponed and information on the onset of enforcement periods after

which installation of the software updates by the client computer may not be

postponed; and

providing a user interface to allow selection of a time for the client

computer to perform the installation of the software updates and to allow

selection of a time for the client computer to initiate a to-reboot.

31. (Currently Amended) The processor-readable medium of claim

30, wherein the method further comprises; additionally comprising: instructions

for

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providing a <u>client computer user</u> user interface at repeated intervals to

persuade a client computer user user to facilitate the reboot of the client

computer, where the software updates have been installed and no reboot has

been performed.

32. (Currently Amended) The processor-readable medium of claim

30, wherein the method further comprises; additionally comprising instructions

for

setting the grace periods and the enforcement periods to control a level of

service provided to the client computer. by the system.

33. (Currently Amended) The processor-readable medium of claim

30, wherein the method further comprises; -additionally comprising instructions

for

periodically displaying showing the user information about software

updates that have not yet been performed.

34. (Currently Amended) A method <u>executed</u> by a server computer

for performing software updates on client computers, the method comprising:

associating <u>client computers</u> servers into <u>groups</u>; groups sized to allow

simultaneous updating of servers in each group without disrupting work flow;

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establishing a change time-window for each of the groups; and

intiating, by the server computer, software updatesapplying updates to

the client computers within the change time-window established for each group

of client computers;, while

monitoring by the server computer a failsafe timeout for each update.

35. (Currently Amended) A processor-readable medium comprising

processor-encoded with executable instructions that, when executed, direct a

server computer to perform a method for updating client computer for

performing software updates, the processor-executable instructions comprising

instructions for, the method comprising:

associating <u>client computers</u> <u>servers</u> into groups <u>sized to allow</u>

simultaneous updating of servers in each group without disrupting work flow;

establishing a change time-window for each of the groups; and

intiating, by the server computer, software updates applying updates to

the client computers within the change time-window established for each group

of client computers; while

monitoring by the server computer a failsafe timeout for each update.

36. (Currently Amended) The processor-readable medium of claim

35, the method further comprising: additionally comprising instructions for

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installing application of each software update; and-for

setting the failsafe timeout with reference to the anticipated duration of

times for installation application.

37. (Currently Amended) The processor-readable medium of claim

35, the method further comprising: additionally comprising instructions for

determining ,by the server computer, if the failsafe timeout for each

software update is greater than time remaining within the change time-window,

and if so, for suspending installation of the software update.

38. (Currently Amended) The processor-readable medium of claim

35, the method further comprising: additionally comprising instructions for

identifying, by the server computer, software updates for potential

installation in a second change time-window, software updates which were not

installed in the change time-window.

39. (Currently Amended) A method executed by a server computer

for performing software updates, the method comprising:

grouping a <u>plurality large number</u> of software updates into a package;

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configuring the package for differential enforcement, wherein different

<u>client</u> computers are <u>assigned</u> by the <u>server</u> given different periods of time within

which to perform a software update will be initiated; and

configuring the package for SMS consumption.

40. (Canceled) A processor-readable medium comprising processor-

executable instructions for performing software updates, the processor-

executable instructions comprising instructions for:

grouping a large number of software updates into a package;

configuring the package for differential enforcement, wherein different

client-computers are given different periods-of-time within which to perform a

software update; and

configuring the package for SMS consumption.

41. (Canceled) The processor-readable medium of claim 40.

additionally comprising instructions for configuring the package with content

from a trusted website.

42. (Canceled) The processor-readable medium of claim 40,

additionally comprising instructions for distributing the package by utilizing SMS

to a plurality of client-computers.

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43. (Canceled)

The processor-readable medium of claim 40, additionally comprising

instructions for performing software updates differentially on a plurality of

computers using the package.

44. (Currently Amended) A method executed by a server system for

performing client computer software updates, the method comprising:

forming a package with a plurality of software updates;

partitioning the package to divide trusted updates from un-trusted

updates;

distributing the package to a plurality of client computers, such that

clients; and

installing-appropriate software updates are installed on each of the

plurality of clients, wherein the un-trusted software updates are installed only on

<u>client comptuers clients</u> configured by the server to install un-trusted software

updateswithin a test environment.

45. (Currently Amended) A processor-readable medium comprising

processor-encoded with executable instructions that, when executed, direct a

server computer to perform a method for updating client computer for

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performing software updates, the processor-executable instructions comprising

instructions for, the method comprising:

forming a package with a plurality of software updates;

partitioning the package to divide trusted updates from un-trusted

updates;

distributing the package to a plurality of client computers such that clients;

and

installing appropriate software updates are installed on each of the

plurality of <u>client comptuers</u> clients, wherein the un-trusted software updates are

installed only on clients configured to install un-trusted software updateswithin

within a test environment.

46. (Currently Amended) The processor-readable medium of claim

45, the method further comprising: additionally comprising instructions for

merging un-trusted software updates together with the trusted software

updates in response to performance of the un-trusted software updates on

clients having un-trusted software updates installed in the test environment.

(Currently Amended) The processor-readable medium of claim 47.

45, the method further comprising: additionally comprising instructions for

expressing the partitioning of the package partition with XML.

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48. (Currently Amended) The processor-readable medium of claim

45, the method further comprising: additionally comprising instructions,

embedding within the package, instructions that when executed by the

client computer, facilitate the for expressing to client computers clients which

software updates are suitable for their consumption.

49. (Currently Amended) A method implemented by a server

computer for performing software updates, the method comprising:

using a reference client computer to generate a template having an

authorization list of approved updates;

deploying the template to a plurality of client computers client computers;

and

intitiating performing software updates on to the plurality of client

computers according to the template.

50. (Currently Amended) A processor-readable medium comprising

processor-encoded with executable instructions that, when executed, direct a

server computer to perform a method for updating client computer for

performing software-updates, the processor-executable instructions comprising

instructions for, the method comprising:

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using a reference <u>client</u> computer to generate a template having an

authorization list of approved updates;

deploying the template to a plurality of client computers client computers;

and

intitiating performing software updates on to the plurality of client

computers according to the template.

51. (Currently Amended) The processor-readable medium of claim

50, the method further comprising: additionally comprising instructions for

incorporating the template into an XML file.

52. (Currently Amended) The processor-readable medium of claim

50, the method further comprising: wherein

deploying the template comprises with instructions for configuring the

template for SMS consumption and deployment.

53. (Currently Amended) The processor-readable medium of claim

50, the method further comprising: additionally comprising instructions for

using the template to identify a subset of software update files from a

large file including a plurality of software update files.

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54. (New) A processor-readable medium comprising processor-

executable instructions for performing software updates, the processor-

executable instructions comprising instructions for:

configuring the package with content from a trusted website;

grouping a plurality of software updates into a package;

configuring the package for SMS consumption;

partitioning the package to divide trusted updates from un-trusted

updates;

distributing the package by utilizing SMS to a plurality of client-computers;

associating client-computers into groups;

establishing a change time-window for each of the groups;

expressing to client-computers which software updates are suitable for

consumption;

installing updates on each of the plurality of clients within the change

time-window established for the group the client is a member of;

installing the un-trusted software updates are installed only on client-

computers configured to install un-trusted software updates;

setting a failsafe timeout with reference to the anticipated duration of

installation;

monitoring a failsafe timeout for each update;

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determining if the failsafe timeout for each software update is greater than time remaining within the change time-window, and if so, for suspending installation of the software update.

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